Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ / 22 points

Capacitor Worksheet

1. The two ends of a battery are called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. A conductor is:
3. An insulator is:
4. A capacitor is made up of:
5. You could make a simple capacitor using:
6. The electrical symbol for a capacitor is:
7. Below, draw a representation of a capacitor hooked up to a battery:
8. The plate on the capacitor that attaches to the negative terminal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electrons that the battery is producing.
9. The plate on the capacitor that attaches to the positive terminal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electrons to the battery.
10. Batteries and capacitors are different because batteries \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electrons and capacitors can only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electrons.
11. List one way that we use capacitors: